Part 2 Section E – For Users of Biomass Fuels

We appreciate any information that you are able to provide. If you cannot answer all of the questions asked in this survey, please answer those that you can.

1) Biomass energy use

a) Please describe the physical form and quantity of renewable fuel(s) that you use.

Туре	Physical form* or description (examples of physical form are listed below)	Annual production in thermal units (BTUs)	Annual production in physical units* (indicate the unit of measure used)	What percent do you buy; what percent do you produce yourself?	
	,	, ,	,	Buy	Produce
Liquid					
Biodiesel				%	%
Other				%	%
Solid					
Sawdust/wood				%	%
Paper				%	%
Animal waste				%	%
Crop waste				%	%
Bioenergy crop				%	%
Other				%	%
Gaseous					
Biogas - landfill				%	%
Biogas - livestock				%	%
Other				%	%

^{*} Examples of "physical form" include biogas, paper pellets, poultry litter and wood chips.

	using wood, please indicate the type of wood and its moisture content.
•	mass fuel production and use What are the energy needs that you meet using biomass fuel(s)?

If you cannot estimate the annual fuel use in British Thermal Units (BTUs), please provide additional

^{*} Examples of "physical units" include gallons, tons or cubic feet.

b)	If biomass fuel were not available, what fuel(s) would you substitute to meet these needs?
c)	If you generate electricity from biomass:
Ο)	i) What is the total rated generation capacity of your system? (watts) (kilowatts)
	ii) How much electricity do you generate annually from biomass? (kilowatthours)
	iii) If you generate electricity by co-firing the biomass with other fuels, how much of the total energy used is from biomass?% What other fuel is used?
	iv) May we contact you with additional questions about use or sale of the electricity? (yes) (no)
a)	If you produce steam for building heating and cooling from biomass: i) What is the total rated steam capacity of your system? Please indicate the units used (for
	example, horsepower or pounds per hour) Units:
	ii) How much steam do you generate annually from biomass? (Units:) iii) If you produce by co-firing the biomass with other fuels, how much of the total energy used is
	from biomass?% What other fuel is used?
e)	iv) May we contact you with additional questions about use or sale of the steam? (yes) (no) If you produce biomass fuel, does it originate from a waste stream that is captured from a
Ο,	production process? If yes, please describe the origin of the waste stream.
f)	Please describe the major components of your system for acquiring, preparing and using
.,	biomass fuel. Please include the manufacturer and model for major pieces of equipment.

	g)	Issues and barriers: If you have confronted major technical, regulatory or utility-related issues or barriers in using biomass fuels, please list them and briefly indicate how they were resolved.
3)		ou purchase biomass fuel, please provide name and contact information for the supplier if ssible.
4)	a) b) c)	asons for use (Please indicate your reasons for choosing to use biomass fuel(s).) To reduce energy expenditures Best way to dispose of a waste product High quality of the biomass fuel Reliability of the biomass fuel supply Environmental considerations Interest in the technology Other
5)	a) b) c)	Please estimate your total investment to install components listed in 1f. \$ & ? & ? & ? & ? & & & & & ? & ?
6)		ease attach any additional information about your investment in or use of renewable energy at might be helpful to other current or potential users of biomass fuels in Missouri.